1 View a 2-D slice of a 3-D microstructure

This selection enables the user to graphically examine a 2-D slice from any existing 3-D microstructure (starting, hydrated, leached, etc). The user simply supplies the name of the image to be displayed, the z-plane (slice) to select from the 3-D microstructure, and a magnification factor ($1\times$ to $10\times$) for viewing the image. The VCCTL will locate the proper slice of the selected image and display a 2-D color image of the microstructure, along with a key identifying the phases corresponding to each color. An example is shown in Figure 1.
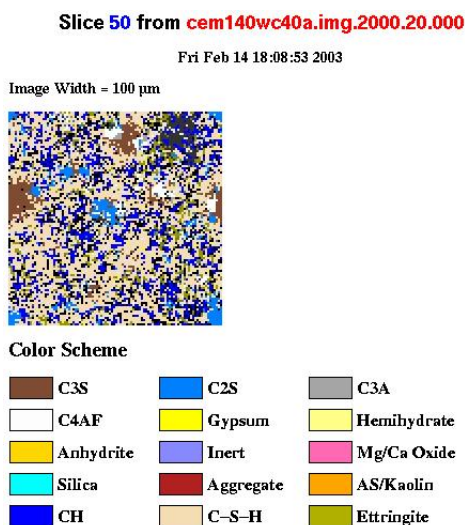

Figure 1: Display of a 2-D slice from a 3-D microstructure.

If this selection is used repeatedly with the same 3-D image filename, depending on the user's Internet browser settings and preferences, the "Reload" or "Refresh" button on the web browser may need to be pressed to update the displayed image to be the currently selected one. In the extreme cases where this button doesn't load the newly generated image, the user will need to restart their Internet browser or use some other measure to force it to empty the previous image from its cache.

References